

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TORAY IND INC

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(72)Inventor : KIGOSHI SHOJI
KOJIMA HIDEYUKI
KITAURA KOICHI

(54) PHASE DIFFERENCE FILM

(57)Abstract:

PURPOSE: To decrease dependence on view field angle and to widen a visible range by specifying the polymer material of a mixture which constitutes a film comprising two or more polymer components.

CONSTITUTION: A film comprising a mixture of polymer materials is uniaxially oriented. Each polymer material used has positive or negative double refraction Δn_i when each single polymer material is uniaxially oriented. Δn_i is defined as formula [1], wherein $n_{\alpha i}$ and $n_{\beta i}$ are the refractive indices of the film of single polymer in the orientation direction and perpendicular to the orientation, respectively. Thereby, dependence on view field angle is decreased and visibility can be improved.

$$\Delta n_i = n_{\alpha i} - n_{\beta i}$$

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